

1145-VM-2564 **Alberto A. Condori*** (acondori@fgcu.edu), 10501 FGCU Blvd., Fort Myers, FL 33965.
Maximum Principles for Matrix-Valued Analytic Functions. Preliminary report.

To what extent is the maximum modulus principle for scalar-valued analytic functions valid for matrix-valued analytic functions? In this talk, we discuss some maximum *norm* principles for such functions that do not appear to be widely known, deduce maximum and minimum principles for their singular values, and make some observations concerning resolvents and matrix exponentials. (Received September 25, 2018)